



Atty. Dkt. No. 034827-0203

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: SAMOSZUK et al.

Title: DETECTION OF CLONAL T-  
CELL RECEPTOR-γ GENE  
REARRANGEMENT BY  
PCR/TEMPORAL  
TEMPERATURE GRADIENT  
GEL ELECTROPHORESIS  
(TTGE)

Appl. No.: 10/824,187

Filing Date: 04/13/2004

Examiner:

Art Unit: 1634

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Diane Garcia

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Diane Garcia

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7-14-04

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**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Mail Stop Amendment (IDS)  
Commissioner for Patents  
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Alexandria, VA 22313-1450

Sir:

Applicants submit herewith on Form PTO-892 and Form PTO/SB/08 a listing of the documents cited by or submitted to the U.S. PTO in parent application Serial No. 09/886,227, filed 06/21/2001. As provided in 37 CFR §1.98(d), copies of the documents are not being provided since they were previously submitted to the United States Patent & Trademark Office in the above-identified parent application.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a

competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

**RELEVANCE OF EACH DOCUMENT**

All of the documents are in English.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of the forms be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-0872. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-0872.

Respectfully submitted,

Date 7/13/04

By Barry S. Wilson

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## Notice of References Cited

Application/Control No.  
09/886,227

Applicant(s)/Patent Under  
Reexamination  
SAMOSZUK ET AL.

Examiner  
Jeffrey Fredman

Art Unit  
1634

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### U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
A	US-			
B	US-			
C	US-			
D	US-			
E	US-			
F	US-			
G	US-			
H	US-			
I	US-			
J	US-			
K	US-			
L	US-			
M	US-			

### FOREIGN PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
N					
O					
P					
Q					
R					
S					
T					

### NON-PATENT DOCUMENTS

*	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
U	Shina et al, Letters in Applied Microbiology, (June 2001) 32:384-387.
V	
W	
X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.



**Notice of References Cited**

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Reexamination

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1637

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	K	US-			
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**NON-PATENT DOCUMENTS**

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	U	Chott et al, "The same dominant T cell clone is present in multiple regressing skin lesions and associated T cell lymphomas of patients with lymphomatoid papulosis", J. Invest. Dermatology, (1996) vol. 106, No. 4, pages 696-700.
	V	Theodorou et al, "Cutaneous T-cell infiltrates: Analysis of T-cell receptor gamma gene rearrangement by polymerase chain reaction and denaturing gradient gel electrophoresis", Blood (1995) Vol. 86, no. 1, pages 305-310.
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\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)

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Form PTO-849

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

034827-0201

SERIAL NO.

09/886,227

APPLICANT

SAMOSZUK et al.

FILING DATE

06/21/2001

GROUP ART UNIT

1651

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							YES NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	A1	Alkan et al, "Detection of T-cell Receptor-γ Gene Rearrangement in Lymphoproliferative Disorders by
		Temperature Gradient Gel Electrophoresis," Arch. Pathol. Lab. Med., Vol. 123, Feb. 2001, pp. 202-207.
	A2	Andersen et al, "Polymerase chain reaction-denaturing gradient gel electrophoresis (PCR/DGGE)-based
		detection of clonal T-cell receptor γ gene . . ." J. Cutan. Pathol. , Vol. 26, Jan. 1999, pp. 176-182.
	A3	Bjørheim <sup>a,b</sup> et al, "Mutation analyses of KRAS exon 1 comparing 3 different techniques: temporal temperature
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	A5	Chen et al, "Detection of Mitochondrial DNA Mutations by Temporal Temperature Gradient Gel
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## EXAMINER

## DATE CONSIDERED

\* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.

Form PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 034827-0201	SERIAL NO. 09/886, 227
INFORMATION DISCLOSURE CITATION  (Use several sheets if necessary)		APPLICANT SAMOSZUK et al.	
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	A7	Day et al, "Electrophoresis for genotyping: temporal thermal gradient gel electrophoresis for profiling of Oligonucleotide dissociation," Nucleic Acids Research, Vol. 23, July 1995, pp. 2404-2412.
	A8	Dereure et al, "T-Cell Clonality in Pityriasis Lichenoides et Varioliformis Acuta," Arch. Dermatol, Vol. 136, Dec. 2000, pp. 1483-1486.
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	A15	Higashimoto et al, "Rapid Detection of FGFR Mutations in Syndromic Craniosynostosis by Temporal . . .," International Journal of Laboratory Medicine and Molecular Diagnostics, Vol. 45, Nov. 1999, pp. 2005-2006.
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	A22	Schell et al, "Detection of point mutations by capillary electrophoresis with temporal temperature gradients," Electrophoresis, Vol. 20, 1999, pp. 2864-2869.			
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	A30	Yoshino et al, "Temperature sweep gel electrophoresis: a simple method to detect point mutations," Nucleic Acids Research, Vol. 19, 1991, p. 3153.			